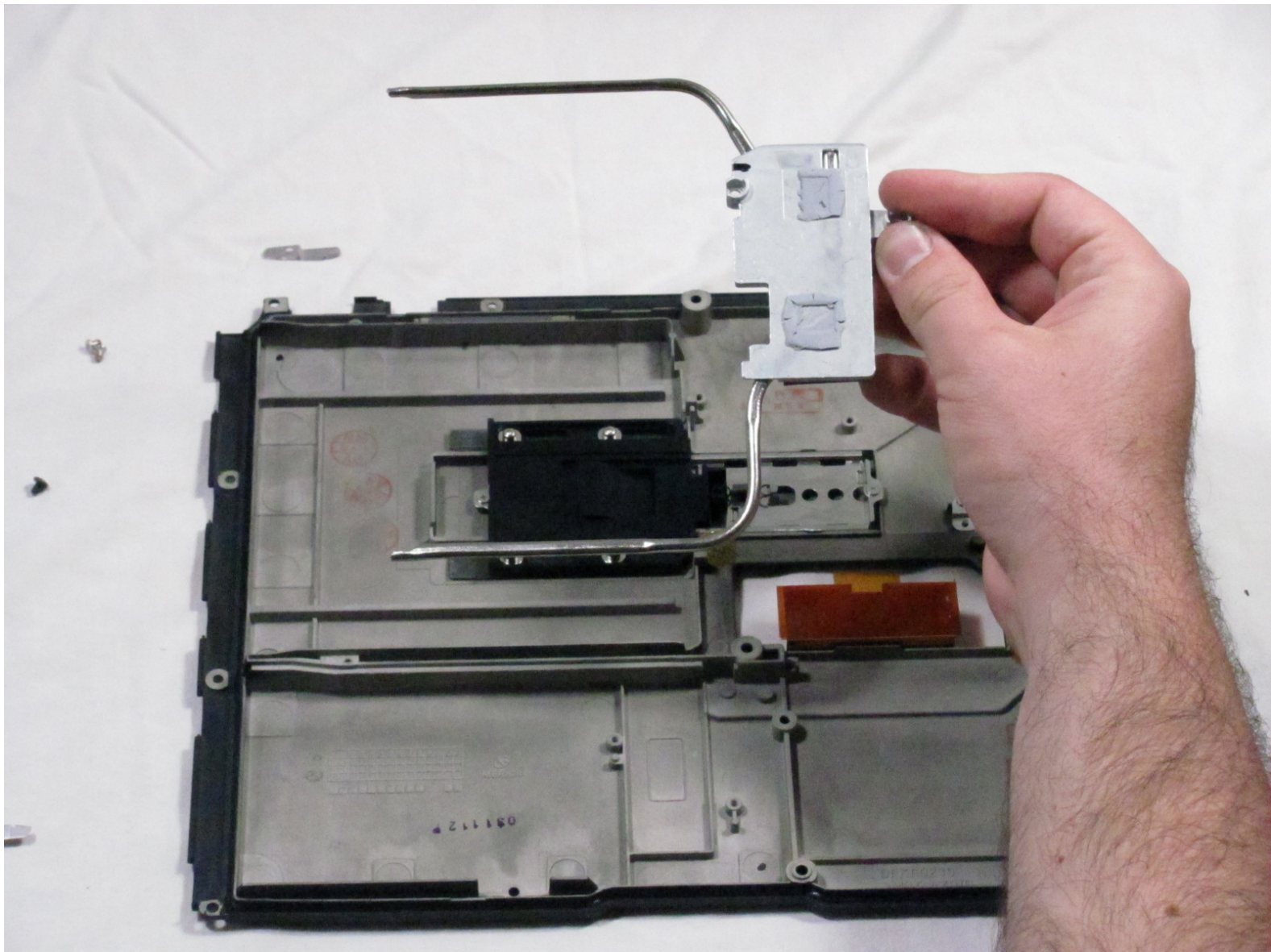




Panasonic Toughbook CF-29 Heat Sink Replacement

Written By: Clint Kirsop



INTRODUCTION

The purpose of this guide is to show how to properly remove and replace the heat sink.



TOOLS:

- [Phillips #0 Screwdriver](#) (1)
 - [Phillips #1 Screwdriver](#) (1)
 - [iFixit Opening Tools](#) (1)
-

Step 1 — Battery



- Locate the bay door for the battery on the left side of the laptop.

Step 2



- Slide the latch to the right and then down to unlock it.
- Pull out the battery.

Step 3 — Back Cover



- Begin by turning the laptop upside down with the handle towards you.
- Use a Phillips size 0 screwdriver to remove the 4 screws holding down the ram cover.

Step 4



- Remove the panel and set it aside.
- Use a Phillips size 0 screwdriver to remove these 8 small screws.

Step 5



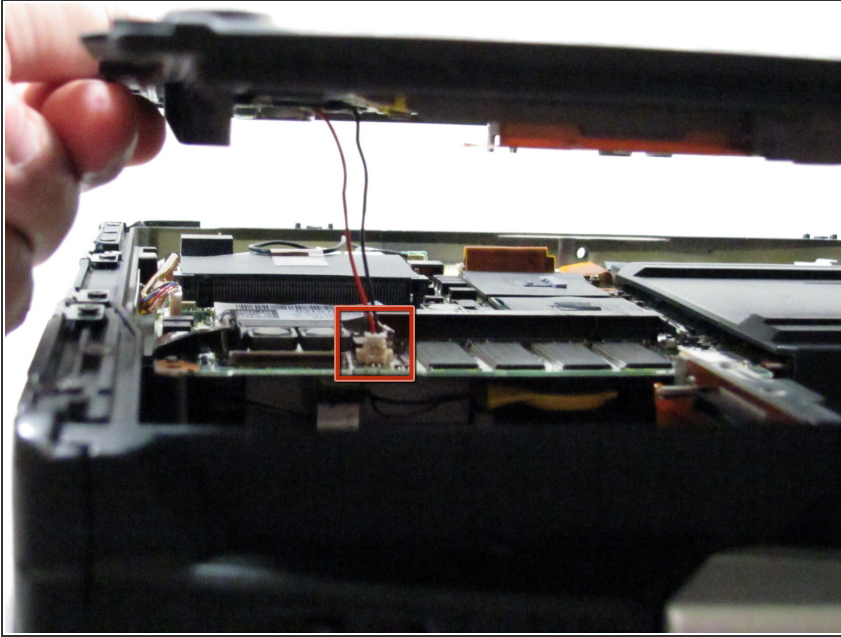
- Use a Phillips size 1 screwdriver to remove the remaining 8 screws.

Step 6



- Use a plastic opening tool to release, but NOT remove, the back cover because it is sealed with adhesive.

Step 7



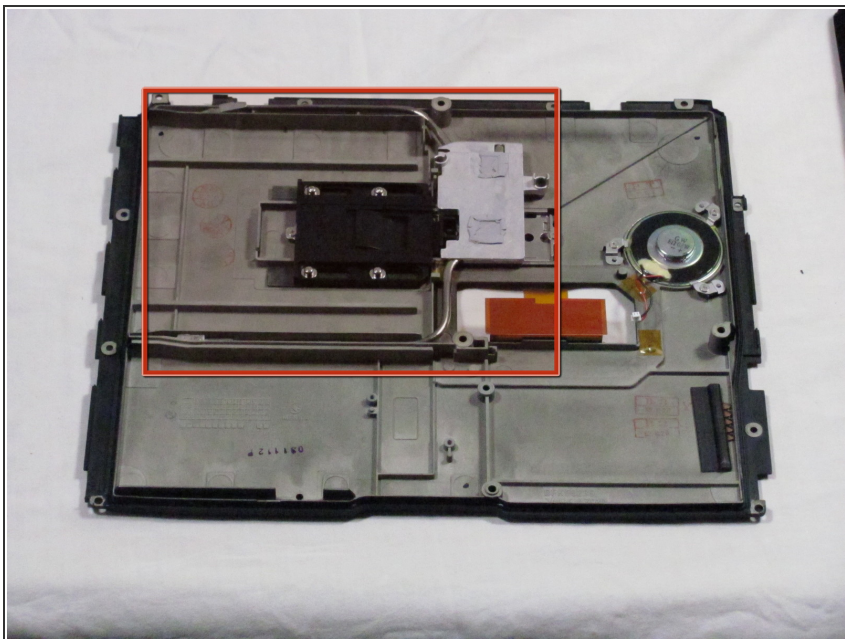
- ⚠ Be careful when lifting the cover as you may damage some connections.
- Slowly lift the cover so that you can disconnect the red and white wires connecting the speaker to the sound card.

Step 8



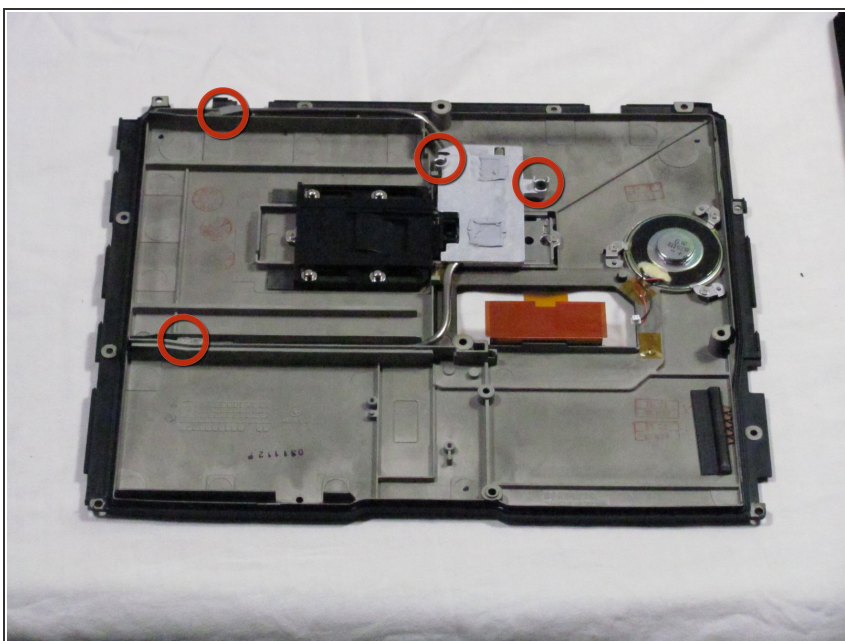
- Now the back cover should be off and you can access the inside of the casing.

Step 9 — Heat Sink



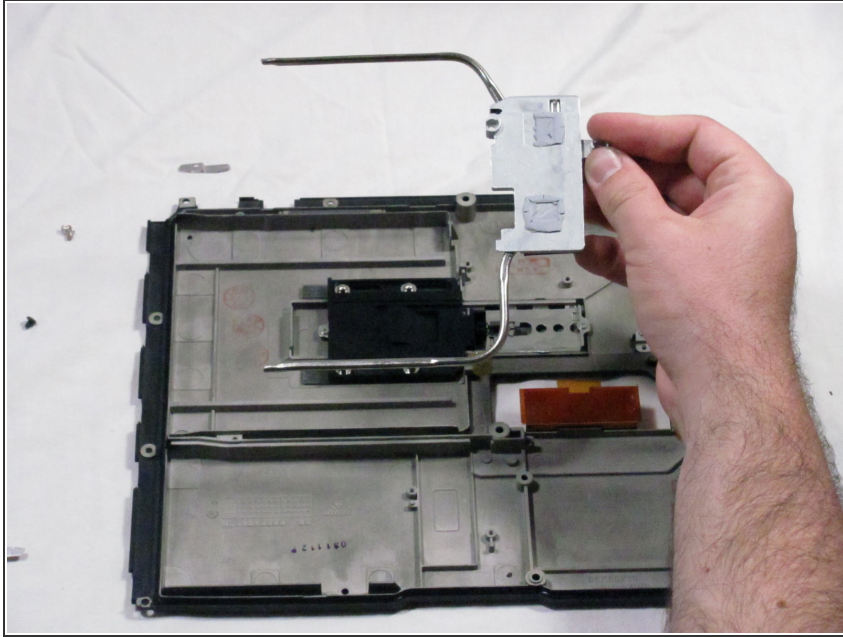
- Locate the heat sink on the underside of the back cover.
- It is the U shaped metallic piece.

Step 10



- Remove the four screws with a Phillips size 1 screwdriver.
- One on each of the ends
- Two on the base of the U shape

Step 11



- Being careful not to lose the brackets at the ends of the heat sink, lift it up and out.

To reassemble your device, follow these instructions in reverse order.

This document was last generated on 2017-06-22 04:33:55 PM.